

Title (en)  
Internal gear pump free from inner crescent space

Title (de)  
Sichellose Innenzahnradpumpe

Title (fr)  
Pompe à engrenages internes sans croissant

Publication  
**EP 0933530 B1 20040303 (DE)**

Application  
**EP 98120951 A 19981105**

Priority  
DE 19804134 A 19980203

Abstract (en)  
[origin: EP0933530A1] The housing has a suction connection (3.1) and a pressure connection (3.2). The hollow wheel (1) has radial breakthroughs (1.1), which produce a conductive connection between the tooth base and the cover surface of the hollow wheel. In the tooth heads of the hollow wheel and the pinion (2) is a profile groove, in which a sealing component (4) is inserted. The sealing component can slide on the opposing tooth head of the pinion and the hollow wheel. The sealing component is provided with a channel, which produces a conductive connection between the profile groove base and the sealing surface of the sealing component.

IPC 1-7  
**F04C 2/10**; **F04C 15/00**

IPC 8 full level  
**F04C 2/10** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)  
**F04C 15/0019** (2013.01 - EP US)

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